ZiloAcademy

✨ Grade 9 Maths — Surds ✨

Name: Demo **Date:** 26/11/2026

1. Simplify: $17\sqrt{3} + 10\sqrt{3}$ (format: e.g. "27√3", no spaces)

2. A square garden bed has an area of 80 m². What is the side length, in simplified surd form? (format: e.g. "3√2", no spaces)

3. Simplify: $5\sqrt{2} + 16\sqrt{2}$ (format: e.g. "21√2", no spaces)

4. Simplify: $\sqrt{108}$ (format: e.g. "3√2", no spaces)

5. Simplify: $8\sqrt{2} + 13\sqrt{2}$ (format: e.g. "21√2", no spaces)

6. A square garden bed has an area of 48 m². What is the side length, in simplified surd form? (format: e.g. "3√2", no spaces)

7. Simplify: $\sqrt{40}$ (format: e.g. "3√2", no spaces)

8. Simplify: $\sqrt{20}$ (format: e.g. "3√2", no spaces)

9. Simplify: $9\sqrt{3} + 15\sqrt{3}$ (format: e.g. "24√3", no spaces)

10. Simplify: $\sqrt{7} \times \sqrt{28}$